ALTEC
SOUND PRODUCTS DIVISION

403A LOUDSPEAKER

DESCRIPTION

The ALTEC 403A Loudspeaker is a moderately priced, wide-range unit, designed specifically for use in indoor public address and music reproduction systems.

The 403A is especially desirable in multiple-speaker applications because of its reasonable initial cost and high quality. It can be flush-mounted in either wall, ceiling or baffle installations. All metal parts are heavily cadmium plated. A bracket is provided for mounting a 70-volt ALTEC 15132 Line Transformer. Rugged voice coil construction assures a long life of trouble-free performance. These features make the 403A an excellent choice where quality and initial cost are important.

SPECIFICATIONS

Power Rating:	12 watts
Frequency Response:	70-11,000 Hz
Pressure Sensitivity:	95 dB SPL measured at 4′ on axis with 1 watt input of band-limited pink noise from 500-3000 Hz. Equal to EIA rating of 48 dB SPL at 30′ with 1 milliwatt input (Ref.: 0 dB = 0.0002 dyne/cm^2)
Impedance:	8 ohms
Nominal Free-Air Cone Resonance:	80 Hz
Voice Coil Diameter:	1″
Magnet Structure—	
Magnet Type:	Alnico V
Flux Density:	9000 gauss
Magnet Weight:	6.80 ounces
Dimensions:	8 5/16″ (21.11 cm) diameter 4″ (10.16 cm) deep
Weight:	3 pounds (1.36 kg)
Mounting Data—	
Mounting Hole Diameter:	7 1/8″ (18.10 cm)
Mounting Bolt Centers:	4 holes equally spaced on 7 3/4″ (19.69 cm) diameter circle

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker shall be 8 5/16″ in diameter and 4″ deep. The voice coil shall have a diameter of 1″ and shall operate in a magnetic field of at least 9000 gauss derived from an Alnico V magnet weighing at least 6.80 ounces. The loudspeaker shall meet the following performance criteria. Power rating, 12 watts. Frequency response, uniform from 70-11,000 Hz. Pressure sensitivity, 95 dB SPL measured at 4′ on axis with 1 watt input of band-limited pink noise from 500-3000 Hz. Impedance, 8 ohms. Nominal free-air cone resonance, 80 Hz. Weight, 3 pounds.

The loudspeaker shall be the ALTEC Model 403A.

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